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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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7059

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07/01/2008

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EXAMINER

LAM, KENNETH T

ART UNIT

PAPER NUMBER

2611

MAIL DATE

DELIVERY MODE

07/01/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/527,957	Applicant(s) CHAMBELIN ET AL.	
	Examiner KENNETH LAM	Art Unit 2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 February 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-2 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This office action is in response to the amendment filed on 02/11/2008. Claims 1-2 are pending in this application and have been considered below.

Claim Objections

2. The objection to the claims is corrected by the amendment; therefore, the objections are withdrawn.

Response to Amendment

3. Applicant's arguments with respect to claims 1-2 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

4. Claim 2 is objected to because of the following informalities: The recited claim limitation, "LNB and BUC" do not have a clear definition. Appropriate correction is required.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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6. Claim 2 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2 recites the limitation "BUC" in line 6. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in **Graham v. John Deere Co., 383 U.S. 1, 148 USPQ 459 (1966)**, that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows: **(See MPEP Ch. 2141)**

- a. Determining the scope and contents of the prior art;
- b. Ascertaining the differences between the prior art and the claims in issue;
- c. Resolving the level of ordinary skill in the pertinent art; and
- d. Evaluating evidence of secondary considerations for indicating obviousness or nonobviousness.

8. Claims 1-2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knutson et al. (Knutson herein after) (US 2003/0163822 A1).

Re Claim 1, Knutson discloses a radio wave emission block comprising:

a first input/output terminal (Input to BPF **276**, BPF **72'**, Figure 7, Figure 7) which receives electrical signals to be emitted as well as its power supply, the first terminal being intended to receive a first coaxial cable, with said electrical signals being situated in an intermediate emission frequency band ([0070]),

a second input/output terminal (Output for BPF **72'**, Figure 7) electrically linked to the first input/output terminal by way of a band rejection filter (BPF **72'**, Figure 7) which rejects the intermediate emission frequency band ([0042]), the second terminal being intended to receive a second coaxial cable from a separate reception block (Low Noise Block Converter **34'**, Figure 7),

wherein said radio wave emission block (Uplink Section **42'**, Figure 7) transposes said electrical signals into an emission frequency band then amplifies them and transforms them into a wave to be emitted ([0056]).

Knutson discloses the claimed invention except explicitly discloses a first and second coaxial cable. However, Knutson teaches a coaxial cable (Cable **32**) utilized for system and signal interconnection for the 1st input/output terminal. Knutson further discloses wiring connection between Uplink Section and Low Noise Block Converter (Figure 7). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to specifically point out the use of a coaxial cable for signal and system interconnections.

Re Claim 2, Knutson discloses a Transmission device comprising:

a reception block LNB (Low Noise Block Converter **34'**, Figure 3 7) which transposes waves received into electrical signals situated in an intermediate reception frequency band, the reception block having an input/output terminal for receiving a coaxial cable so as to transmit the electrical signals to an inside unit and to receive its power supply ([0033]-[0035]),

an emission block BUC according to Claim 1, the first input/output terminal (Input to BPF **276**, BPF **72'**, Figure 7, Figure 7) of the emission block being connected to first coaxial cable, and with a second coaxial cable connected on the one hand to the second input/output terminal (Output for BPF **72'**, Figure 7) of the emission block and on the other hand to the input/output terminal of the reception block ([0068]-[0072]).

Knutson discloses the claimed invention except explicitly discloses a first and second coaxial cable. However, Knutson teaches a coaxial cable (Cable **32**) utilized for system and signal interconnection for the 1st input/output terminal. Knutson further discloses wiring connection between Uplink Section and Low Noise Block Converter (Figure 7). Therefore, it would have been obvious to one skilled in the art at the time the invention was made to specifically point out the use of a coaxial cable for signal and system interconnections.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KENNETH LAM whose telephone number is (571)270-1862. The examiner can normally be reached on Mon - Thu 7:30 am - 5:00 pm EST
ALT Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on (571) 272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/KENNETH LAM/

Examiner, Art Unit 2611

06/26/2008

/Shuwang Liu/

Supervisory Patent Examiner, Art Unit 2611